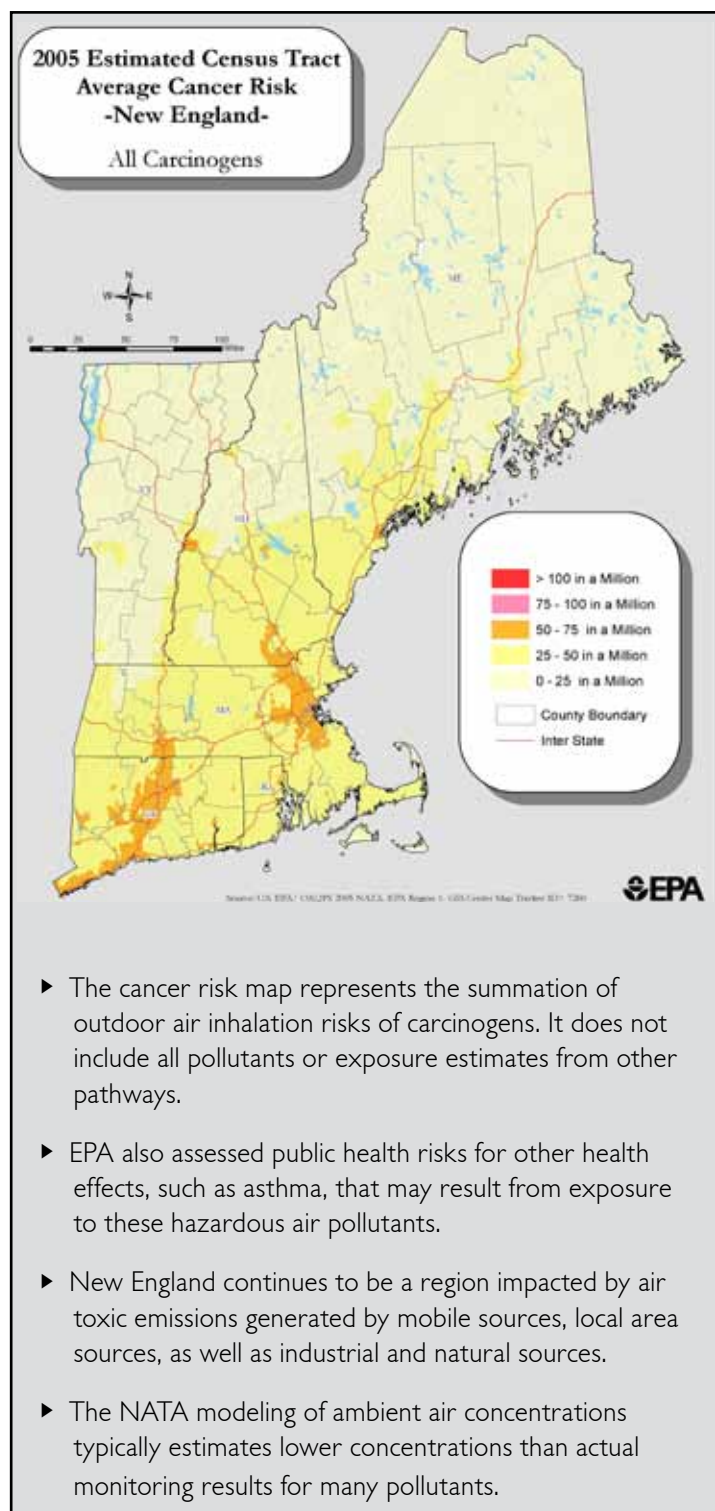


2005 National Air Toxics Assessment

(N A T A) N E W E N G L A N D



Air Toxics of Greatest Concern in New England

- State average risk values of five air toxics: acetaldehyde, benzene, carbon tetrachloride, formaldehyde and polycyclic organic matter (POM) exceeded health benchmarks in every state in New England, and state average risk values of five air toxics: 1, 3-butadiene, acrolein, arsenic compounds, chromium compounds and naphthalene exceeded health benchmarks in at least one state in New England.
- Mobile sources represent a significant emission category for acrolein, acetaldehyde, benzene, 1,3-butadiene, diesel particulate, formaldehyde and naphthalene.
- Combustion sources represent a significant emission category for acrolein, acetaldehyde, arsenic and chromium compounds, naphthalene, and POM. This includes emissions from electric utility boilers, industrial boilers, as well as residential wood stoves and fireplaces.
- Background sources, including natural sources, unidentified sources, and long-range transport, account for significant ambient air concentration estimates for 1,3-butadiene, arsenic and chromium compounds, benzene, and carbon tetrachloride.
- Atmospheric transformation accounts for significant ambient air concentration estimates for acetaldehyde, acrolein and formaldehyde.

New and Continuing Actions to Reduce Risks

- Implementing stationary source air toxics standards
- Improving monitoring and emission inventories
- Requiring cleaner gasoline and tightening tail pipe standards
- Funding community comprehensive risk reduction projects under programs such as Community Action for a Renewed Environment (CARE)
- Expanding diesel reduction initiatives
- Promoting energy efficiency
- Providing pollution prevention assistance to sources
- Implementing the National Collision Repair Campaign
- Encouraging voluntary and regulatory efforts to address wood smoke emissions